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UNITED STATES PATENT AND TRADEMARK OFFICE
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RECORDATION DATE: 05/14/1998	REEL/FRAME: 9333/0804 NUMBER OF PAGES: 4
BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).	
ASSIGNOR: MORITA, KOICHI	DOC DATE: 05/01/1998
ASSIGNOR: FUJIWARA, HIROMI	DOC DATE: 05/01/1998
ASSIGNOR: NAKAGAWA, YOSHITERU	DOC DATE: 05/01/1998
ASSIGNOR: KATSUURA, MASSAMITSU	DOC DATE: 05/01/1998
ASSIGNOR: MATSUYOSHI, HIROAKI	DOC DATE: 05/01/1998
ASSIGNOR: NISHIMURA, NAOTO	DOC DATE: 05/01/1998
ASSIGNOR: TSUKUDA, YOSHIHIRO	DOC DATE: 05/01/1998

TARA WASHINGTON, EXAMINER
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Patent

CT/PTO 14 MAY 1998

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PATENTS ONLY

AP

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

1. Koichi MORITA	7. Yoshihiro TSUKUDA
2. Hiromi FUJIWARA	8. Kazuaki MINATO
3. Yoshiteru NAKAGAWA	9. Takehito MITATE
4. Massamitsu KATSUURA	10. Kazuo YAMADA
5. Hiroaki MATSUYOSHI	11. Tetsuya YONEDA
6. Naoto NISHIMURA	

2. Name and address of receiving party(ies):

Name: 1. OSAKA GAS COMPANY LTD
2. SHARP CORPORATION

Street Address:

1. 1-2, Hiranomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541, JAPAN
2. 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545, JAPAN

Execution Date: May 1, 1998

4. Application number(s) or patent number(s): 09068592

If this document is being filed together with a new application, the execution date of the application is: May 1, 1998

A. Patent Application No. (s) including series no.

B. Patent No. (s)

New Application

Additional number attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **LARSON & TAYLOR**

Attention: Thomas P. Sarro

Street Address: Transpotomac Plaza
1199 North Fairfax St., Ste. 900

City: Alexandria State: Virginia ZIP: 22314

05/18/1998 MCLAYBRO 00000022 09068592

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):\$ 40.00

xx Enclosed Authorized to be charged to deposit account

8. Deposit account number: 12-0555

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

B. Aaron Schulman
Name of person signing

Signature

5/14/98

Date

Reg. No. 31877Total number of pages comprising cover sheet: 4

ASSIGNMENT OF PATENT APPLICATION

WHEREAS,

(1) MORITA Koichi, (2) FUJIWARA Hiromi, (3) NAKAGAWA Yoshiteru,
(4) KATSUURA Masamitsu, (5) MATSUYOSHI Hiroaki,
(6) NISHIMURA Naoto, (7) TSUKUDA Yoshihiro, (8) MINATO Kazuaki,
(9) MITATE Takehito, (10) YAMADA Kazuo, and (11) YONEDA Tetsuya,
residing respectively at

(1) 1-25-47-203, Hashiridani, Hirakata-shi, Osaka 573, Japan; (2) 18-2, Ibukino 1-chome, Izumi-shi, Osaka 594, Japan; (3) 370, Koizumi-cho, Yamatokoriyama-shi, Nara 639-11, Japan; (4) 6-3-4-506, Torishima, Konohana-ku, Osaka-shi, Osaka 554, Japan; (5) 2-14-2, Kanaoka, Higashi Osaka-shi, Osaka 577, Japan; (6) 192-1, Hajikami, Shinjo-cho, Kitakatsuragi-gun, Nara 639-21, Japan; (7) 4-1-9-306, Oji-cho, Abeno-ku, Osaka-shi, Osaka 545, Japan; (8) 5-1-2-1308, Shiginonishi, Joto-ku, Osaka-shi, Osaka 536, Japan; (9) 65-4, Noguchi, Yamatotakada-shi, Nara 635, Japan; (10) 500-4, Hikita, Shinjo-cho, Kitakatsuragi-gun, Nara 639-21, Japan; and (11) 17, Tsutsujigaoka Kita 9-bancho, Nabari-shi, Mie 518-04, Japan,
(hereinafter referred to as the "ASSIGNOR") has/have invented
certain new and useful improvements in MATERIAL FOR NEGATIVE ELECTRODE OF LITHIUM
SECONDARY BATTERY, METHOD FOR PRODUCTION THEREOF AND LITHIUM SECONDARY BATTERY USING THE SAME

for which ASSIGNOR has executed on even date herewith an
application for Letters Patent of the United States of America,
Serial No. _____

And WHEREAS, OSAKA GAS COMPANY LIMITED,
a company organized under the laws of Japan,
and having a principal place of business at 1-2, Hiranomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541, Japan, and
SHARP CORPORATION

a company organized under the laws of Japan,
and having a principal place of business at 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545, Japan

(hereinafter referred to as the "ASSIGNEE") is/are desirous of
acquiring the entire right, title and interest in and to said
application and the invention(s) and improvement(s) therein
disclosed, for the United States of America, and any Letters
Patent which may issue therefor in the United States and all
divisions, continuations, reissues, reexaminations, renewals
and/or extensions thereof.

NOW THEREFORE in consideration of the sum of ten U.S.
dollars (\$10.00) and other good and valuable consideration, the
receipt and sufficiency of which is hereby acknowledged, the
ASSIGNOR does hereby assign, sell, transfer and set over unto

the ASSIGNEE the entire right, title and interest in and to said application and the invention(s) and improvement(s) therein disclosed, for the United States of America, and any Letters Patent which may issue therefor in the United States and all divisions, continuations, reissues, reexaminations, renewals and/or extensions thereof, said ASSIGNEE to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, continuations, reissues, reexaminations, renewals and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this assignment not been made.

And for the consideration aforesaid, ASSIGNOR agrees that ASSIGNOR will, upon request, communicate to said ASSIGNEE or the representatives thereof any facts known to ASSIGNOR respecting the invention(s) and improvement(s) of the said United States application, and will, upon request, but without expense to ASSIGNOR, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue, reexamination, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said ASSIGNEE or by counsel for said ASSIGNEE, to assist or enable said ASSIGNEE to obtain and enforce full benefits from the rights and interests herein assigned.

This assignment shall be binding upon the ASSIGNOR's heirs, executors, administrators, successors and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of the ASSIGNEE.

The Commissioner of Patents is requested to issue such Letters Patent in accordance with this assignment.

(1) Signature: Koichi Morita

Name: MORITA Koichi

Date: May 1, 1998

(2) Signature: Hiromi Fujiwara

Name: FUJIWARA Hiromi

Date: May 1, 1998

(3) Signature: Yoshitomo Nakagawa

Name: NAKAGAWA Yoshitomo

Date: May 1, 1998

(4) Signature: Masamitsu Katsura

Name: KATSUURA Masamitsu

Date: May 1, 1998

(5) Signature: Hiroaki Matsuyoshi

Name: MATSUYOSHI Hiroaki

Date: May 1, 1998

(6) Signature: Naoto Nishimura

Name: NISHIMURA Naoto

Date: May 1, 1998

(7) Signature: Yoshihiro Tsukuda
Name: TSUKUDA Yoshihiro
Date: May 1, 1998

(8) Signature: Kazuaki Minato
Name: MINATO Kazuaki
Date: May 1, 1998

(9) Signature: Takehito Mitate
Name: MITATE Takehito
Date: May 1, 1998

(10) Signature: Kazuo Yamada
Name: YAMADA Kazuo
Date: May 1, 1998

(11) Signature: Tetsuya Yoneda
Name: YONEDA Tetsuya
Date: May 1, 1998